

L Number	Hits	Search Text	DB	Time stamp
1	940	438/648	USPAT	2002/12/13 07:56
2	307	438/648 and barrier.clm.	USPAT	2002/12/13 07:56
3	125	(438/648 and barrier.clm.) and copper.clm.	USPAT	2002/12/13 07:56
4	35	((438/648 and barrier.clm.) and copper.clm.) and (hydrogen or argon or helium or nitrogen).clm.	USPAT	2002/12/13 07:58
5	14	((438/648 and barrier.clm.) and copper.clm.) and (hydrogen or argon or helium or nitrogen).clm.) and (treatment or pretreatment or pre-treatment)	USPAT	2002/12/13 07:58
6	7	((438/648 and barrier.clm.) and copper.clm.) and (hydrogen or argon or helium or nitrogen).clm.) and (treatment or pretreatment or pre-treatment).clm.	USPAT	2002/12/13 08:01
7	345	438/785	USPAT	2002/12/13 08:03
8	26	438/785 and copper.clm.	USPAT	2002/12/13 08:03
9	11	(438/785 and copper.clm.) and (nitrogen or hydrogen or helium or argon).clm.	USPAT	2002/12/13 08:04
10	5	((438/785 and copper.clm.) and (nitrogen or hydrogen or helium or argon).clm.) and (treatment or pretreatment or pre-treatment)	USPAT	2002/12/13 08:04
11	2	((438/785 and copper.clm.) and (nitrogen or hydrogen or helium or argon).clm.) and (treatment or pretreatment or pre-treatment).clm.	USPAT	2002/12/13 08:04
12	16	(US-6348407-\$ or US-6333248-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-5380567-\$ or US-6461675-\$ or US-5622608-\$ or US-6153519-\$).did.	USPAT	2002/12/13 08:06
13	16	((US-6348407-\$ or US-6333248-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-5380567-\$ or US-6461675-\$ or US-5622608-\$ or US-6153519-\$).did.) and barrier	USPAT	2002/12/13 08:06
14	15	((US-6348407-\$ or US-6333248-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-5380567-\$ or US-6461675-\$ or US-5622608-\$ or US-6153519-\$).did.) and barrier) and copper.clm.	USPAT	2002/12/13 08:07
15	7	((((US-6348407-\$ or US-6333248-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-5380567-\$ or US-6461675-\$ or US-5622608-\$ or US-6153519-\$).did.) and barrier) and copper.clm.) and (treatment or pretreatment or pre-treatment)	USPAT	2002/12/13 08:07

16	3	((((US-6348407-\$ or US-6333248-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-5380567-\$ or US-6461675-\$ or US-5622608-\$ or US-6153519-\$).did.) and barrier) and copper.clm.) and (treatment or pretreatment or pre-treatment).clm.	USPAT	2002/12/13 08:07
17	3	((((US-6348407-\$ or US-6333248-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-5380567-\$ or US-6461675-\$ or US-5622608-\$ or US-6153519-\$).did.) and barrier) and copper.clm.) and (treatment or pretreatment or pre-treatment).clm.) and (hydrogen or nitrogen or helium or argon).clm.	USPAT	2002/12/13 08:08
-	3380	(metal and hydrogen and plasma) and 438/\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/10 15:06
-	811	((metal and hydrogen and plasma) and 438/\$) and copper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/15 15:05
-	16	((metal and hydrogen and plasma) and 438/\$) and copper) and pre-treat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/15 15:17
-	18	((metal and hydrogen and plasma) and 438/\$) and pre-treat\$) and helium	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/15 15:17
-	44	("4173661" "4480010" "4844775" "5017403" "5127988" "5202280" "5232871" "5296404" "5308655" "5312774" "5314603" "5352623" "5451258" "5576071" "5593511").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/15 15:22
-	48	((metal and hydrogen and plasma) and 438/\$) and pre-treat\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 12:30
-	44	("4173661" "4480010" "4844775" "5017403" "5127988" "5202280" "5232871" "5296404" "5308655" "5312774" "5314603" "5352623" "5451258" "5576071" "5593511").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 12:16
-	25	(plasma adj anneal) and copper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:44
-	38	("5142438" "5362632" "5405796" "5409855" "5479316" "5508881" "5576071" "5685951" "5696394" "5741712" "5754390" "5773363" "6010940" "5142438" "5362632" "5405796" "5409855" "5479316" "5508881" "5576071" "5685951" "5696394" "5741712" "5754390" "5773363" "6010940").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:34

-	43416	adhesion and copper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:44
-	593	(adhesion and copper) and (barrier adj metal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:45
-	473	((adhesion and copper) and (barrier adj metal)) and (temperature or anneal)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:46
-	3	((adhesion and copper) and (barrier adj metal)) and (temperature or anneal)) and (pre-treat\$).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:47
-	59	((adhesion and copper) and (barrier adj metal)) and (temperature or anneal)) and (heat).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:47
-	160	((adhesion and copper) and (barrier adj metal)) and (temperature or anneal)) and temperature.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:48
-	26	((adhesion and copper) and (barrier adj metal)) and (temperature or anneal)) and temperature.clm.) and (barrier adj metal).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 13:48
-	9	("5739579" "5847463" "5886410").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:10
-	13	("4789648" "5447887" "5693563" "6136680" "6146988").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:13
-	25	("4789648" "5011782" "5334554" "5447887" "5635425" "5693563" "5902122" "5994200" "6048764").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:15
-	38	5447887.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:21
-	0	6339258.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:35
-	30	("5447887" "5470789" "5506449" "5614437" "5665628" "5668411" "5679980" "5686760" "5696018" "6110598").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:36
-	13	5668411.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:44

-	3	6136682.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:51
-	17	5899740.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 14:59
-	3	810221.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 15:33
-	30	(pre-treatment or pretreatment) and (barrier adj metal adj layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/20 15:35
-	144	438/586 and Barrier.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/15 16:36
-	20	(438/586 and Barrier.clm.) and (hydrogen or argon or helium).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/15 16:37
-	10	((438/586 and Barrier.clm.) and (hydrogen or argon or helium).clm.) and copper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/15 16:37
-	8	((438/586 and Barrier.clm.) and (hydrogen or argon or helium).clm.) and copper.clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/15 16:44
-	1	438/586 and (hydrogen and helium and argon).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/15 16:44
-	1758	hydrogen and argon and helium and barrier	USPAT	2002/12/10 15:14
-	192	(hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.	USPAT	2002/12/10 15:15
-	44	((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.	USPAT	2002/12/10 15:15
-	21	((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper	USPAT	2002/12/10 15:15
-	13	((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.	USPAT	2002/12/10 15:26
-	10	((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and plasma	USPAT	2002/12/10 15:31
-	8	((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and plasma) and "200"	USPAT	2002/12/10 15:45
-	9	((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and plasma) and heat\$3	USPAT	2002/12/10 15:45

-	10	((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and heat\$3	USPAT	2002/12/10 15:45
-	8	((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and heat\$3.clm.	USPAT	2002/12/10 15:53
-	10	((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and temperature.clm.	USPAT	2002/12/10 15:48
-	11	((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and time	USPAT	2002/12/10 15:48
-	4	((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and (seconds or minute or minutes).clm.	USPAT	2002/12/10 15:49
-	7	(((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and heat\$3.clm.) and (((((hydrogen and argon and helium and barrier) and (hydrogen and argon and helium).clm.) and barrier.clm.) and copper.clm.) and temperature.clm.)	USPAT	2002/12/10 15:54
-	13	(US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6348407-\$ or US-5380567-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-6333248-\$).did.	USPAT	2002/12/11 12:48
-	0	((US-6448185-\$ or US-6475913-\$ or US-6410433-\$ or US-6348407-\$ or US-5380567-\$ or US-6274483-\$ or US-6008124-\$ or US-6455421-\$ or US-6410432-\$ or US-6350675-\$ or US-6096646-\$ or US-6016000-\$ or US-6333248-\$).did.) and (tape adj test)	USPAT	2002/12/11 12:48
-	91	barrier and copper and (tape adj test)	USPAT	2002/12/11 12:48
-	24	(barrier and copper and (tape adj test)) and (hydrogen or argon or helium).clm.	USPAT	2002/12/11 12:49
-	0	((barrier and copper and (tape adj test)) and (hydrogen or argon or helium).clm.) and tape.clm.	USPAT	2002/12/11 12:49
-	0	((barrier and copper and (tape adj test)) and (hydrogen or argon or helium).clm.) and test.clm.	USPAT	2002/12/11 12:49
-	4	((barrier and copper and (tape adj test)) and (hydrogen or argon or helium).clm.) and copper.clm.	USPAT	2002/12/11 12:49